

## MODIS sensor Working Group (MsWG) Summary

March 09, 2005

**Attendance:** Bill Barnes, Bob Barnes, Stuart Biggar, Vincent Chiang, Gene Eplee, Bob Evans, Gerhard Meister, Chris Moeller, Vince Salomonson, Junqiang Sun, Gary Toller, Eric Vermote, Zhengming Wan, Xiaobo Xie, Jack Xiong

---

### Scheduled Agenda

#### **Item 1: Recent L1B LUT delivery**

- Terra collection 5 update – V.5.0.6.1 (Feb 23).
- Terra forward update – V4.3.0.22 (Mar 04) to DAAC.

#### **Item 2: Instrument status**

- Terra and Aqua MODIS are in normal operations.
- Terra MDA2 Bite playback failure during TDS contact on day 2005045 at 11:48 over SAA day-orbit. Few scans data loss in the previous orbit (2005045.1010) due to Lockup loss. Recently similar events happened when spacecraft was over the SAA.

#### **Item 3: Collection 5 issues**

- While Terra V5 LUTs are being delivered normally, the V4 LUTs will be checked and updated as well. MCST is currently working on the Aqua V5 LUTs update.

#### **Item 4: MCST Workshop during Science Team Meeting, 3/22, 6:30-9:00PM**

- The agenda is updated in today's package.

### Around the Table

**Participant:** Stuart Biggar (Calibration) – on the ground calibration/validation

SB) Scheduled to leave for Railroad Valley on Friday. Weather wasn't cooperative recently.

**Participant:** Bob Evans (SST) – on collection 5 SST testing

BE) We are in the progress of comparing Terra V4 and V5 in the IR bands. The difference in MS1 and MS2 retrievals we have seen is about some 0.2 degree with respect to measured SST and in situ SST.

CM) Is the bias changing in time or fixed? and both in V4 and V5?

BE) There is a rapid change at the end of 02 going to 03. It corrects a little bit at the end of 03. Same behavior is in V4 and V5. Hopefully we can provide some results at the meeting.

**Participant:** Chris Moeller (Atmosphere) – on the calibration

CM) (1) At the science meeting, I'll report the DSM RVS results for Terra collection 5, and revisit the TEB de-stripping algorithm (and a poster).

(2) I'd like to investigate the spectral calibration issue for the LWIR.

(3) The Terra A-side2 SWIR 5-um correction and de-stripping seem not working very well. We once looked at that and passed it. I'd like to get back to that.

JX) Jim Young already mentioned the RSR issues. We can talk to Roger at the meeting.

**Participant:** Jack Xiong (MCST) – on the Science Team Meeting

JX) MCST will have 4 posters in the RSB, TEB, Spectral, and Spatial calibrations.

Next MsWG meeting will be after the Science Team Meeting